

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Patent Application of:

Emir Gurer et al.

Application No.: 09/895,787

Filed: June 30, 2001

For: Method Of Uniformly Coating
A Substrate

Examiner: Gilliam, Barbara Lee

Art Unit: 1752



Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

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Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP

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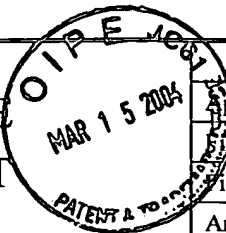
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of 3	Application Number	09/895,787
			Filing Date	06/30/2001
			First Named Inventor:	Emir Gurur
			Art Unit	1752
			Examiner Name	Gilliam, Barbara Lee
			Attorney Docket Number	6601P019X3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (If known)				
		US-	3,198,657	08-03-1965	Kimball et al.	
		US-	4,551,355	11-05-1985	Ericson et al.	
		US-	5,985,363	11-16-1999	Shiau et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³	Number ⁴	Kind Code ⁵ (if known)				
		JP	3-22428		01-30-1991	NEC Kyushu Ltd.		X
		JP	4-332116		11-19-1992	Mitsubishi Electric Corp.		X
		JP	8-168715		07-02-1996	Dainippon Screen Mfg. Co. Ltd.		X
		JP	63-301520		12-08-1988	NEC Corp.		X

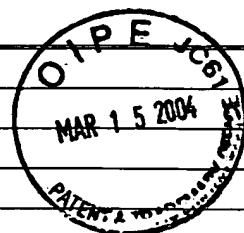
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			Application Number	09/895,787
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			Art Unit	1752
			Examiner Name	Gilliam, Barbara Lee
Sheet	2	of 3	Attorney Docket Number	6601P019X3



NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
		BAGEN, SUSAN, ET AL., Extrusion Coating of Polymer Films for Low-Cost Flat Panel Display Manufacturing, 1996 Display Manufacturing Technology Conference, Digest of Technical Papers, pgs. 35-36 (1996).	
		BIXLER, NATHAN EPHRAIM, Stability Of A Coating Flow, PhD Dissertation submitted to the University of Minnesota, June 1982.	
		BORNSIDE, DAVID, E., ET AL., The effects of gas phase convection on mass transfer in spin coating, Journal of Applied Physics, Vol. 73, No. 2, January 15, 1993, pgs. 585-600, © 1993 American Institute of Physics.	
		BORNSIDE, D.E., ET AL., On the Modeling of Spin Coating, Journal of Imaging Technology, Volume 13, Number 4, August 1987, pgs. 122-130, © 1987, SPSE – The Society for Imaging Science and Technology.	
		COHEN, ET AL., Modern Coating And Drying Technology, Chapter 4, Premetered Coating, pgs. 117-167, VCH Publishers, Inc., (1992).	
		EMSLIE, ALFRED G., ET AL., Flow of a Viscous Liquid on a Rotating Disk, Journal Of Applied Physics, Vol. 29, No. 5, May 1958, pgs. 858-862.	
		FRAYSSE, NATHALIE, ET AL., An experimental study of rivulet instabilities in centrifugal spin coating of viscous Newtonian and non-Newtonian fluids, Physics of Fluids, Vol. 6, No. 4, April 1994, pgs. 1491-1504, © 1994 American Institute of Physics.	
		GUTOFF, EDGAR B, ET AL., Coating and Drying Defects, Troubleshooting Operating Problems, Chapter V, pgs. 96-138, A Wiley-Interscience Publication, John Wiley & Sons, New York Chichester Brisbane Toronto Singapore (1992).	
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		HAFIZI, B., Effects of carrier and dispersion on propagation of a directed electromagnetic pulse, Journal of Applied Physics, Vol. 73, No. 2, January 15, 1993, pgs. 513-521, © 1993 American Institute of Physics.	
		HIGGINS, B.G., ET AL., Capillary Pressure And Viscous Pressure Drop Set Bounds On Coating Bead Operability, Chemical Engineering Science, Vol. 35, pgs. 673-682, Pergamon Press Ltd. 1980, Printed in Great Britain.	

Examiner Signature	Date Considered
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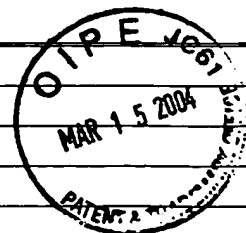
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Sheet	3	of 3	Attorney Docket Number	6601P019X3
NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published		T ²
		LAWRENCE, C.J., The mechanics of spin coating of polymer films, Physics of Fluids, Vol. 31, No. 10, October 1988, pgs. 2786-2795, © 1988 American Institute of Physics.		
		LEE, KWONG-YANG, ET AL., Minimum Wet Thickness In Extrusion Slot Coating, Chemical Engineering Science, Vol. 47, No. 7, pgs. 1703-1713, © 1992 Pergamon Press plc, Printed in Great Britain.		
		MEYERHOFER, DIETRICH, Characteristics of resist films produced by spinning, Journal of Applied Physics, Vol. 49, No. 7, July 1978, pgs. 3993-3997, © 1978 American Institute of Physics.		
		MUES, W., ET AL., Observation of a Dynamic Wetting Process Using Laser-Dopper Velocimetry, AIChE Journal, Vol. 35, No. 9, September 1989, pgs. 1521-1526.		
		RUSCHAK, KENNETH J., Limiting Flow In A Pre-Metered Coating Device, Chemical Engineering Science, 1976, Vol. 31, pgs. 1057-1060, Pergamon Press. Printed in Great Britain.		
		SUKANEK, PETER C., Spin Coating, Journal of Imaging Technology, Volume 11, Number 4, August 1985, pgs. 184-190, © 1985, Society of Photographic Scientists and Engineers.		
		SARTOR, LUIGI, Slot coating: Fluid mechanics And die design, PhD Dissertation submitted to the University of Minnesota, September 1990.		



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